

1/12

FIG. 1 PRIOR ART

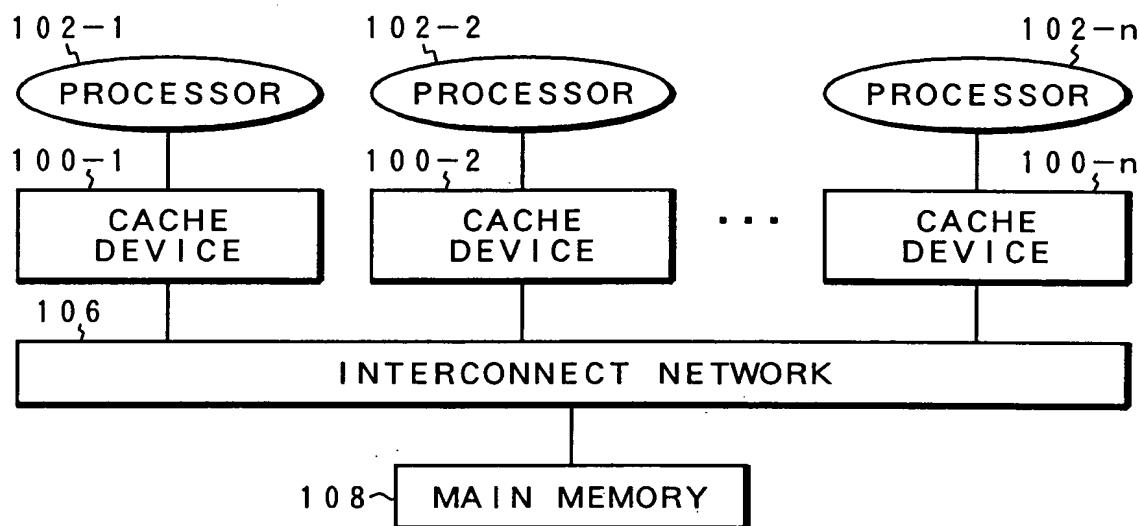
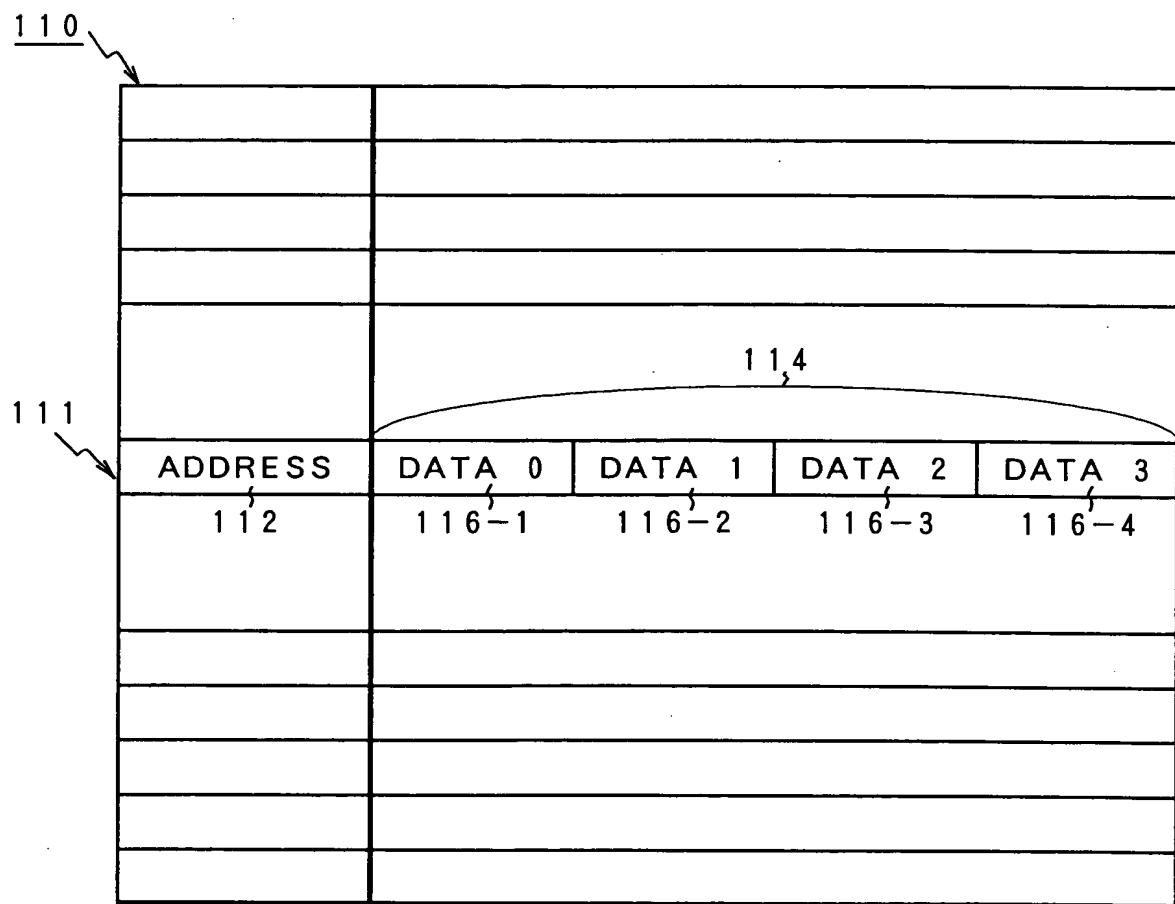
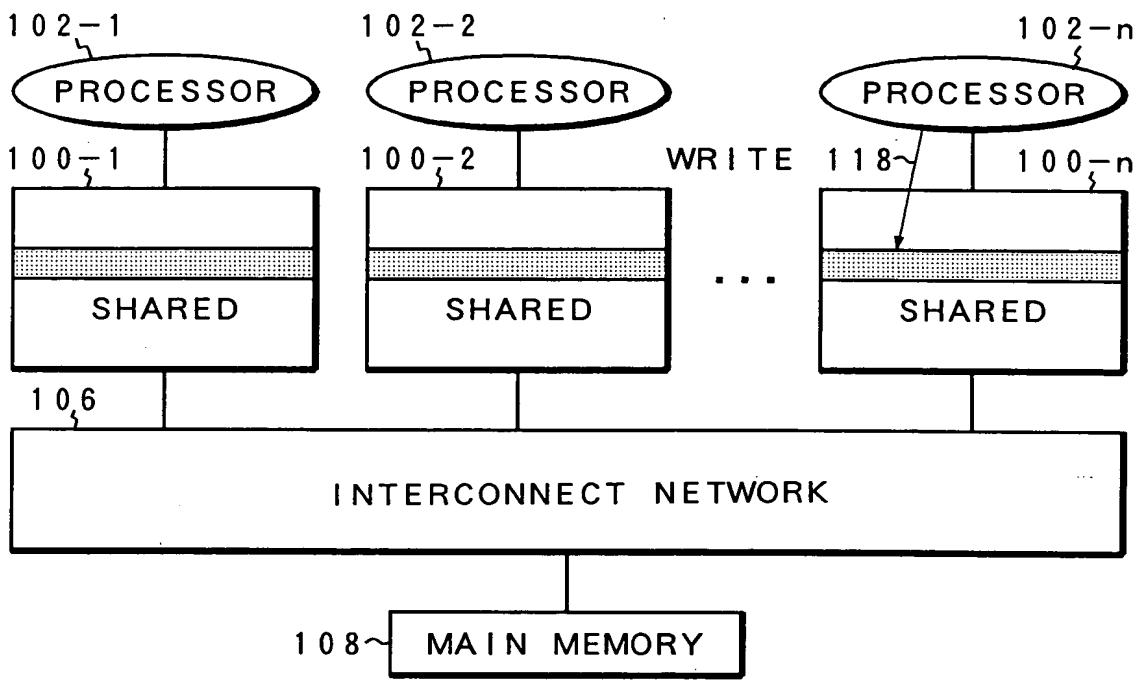


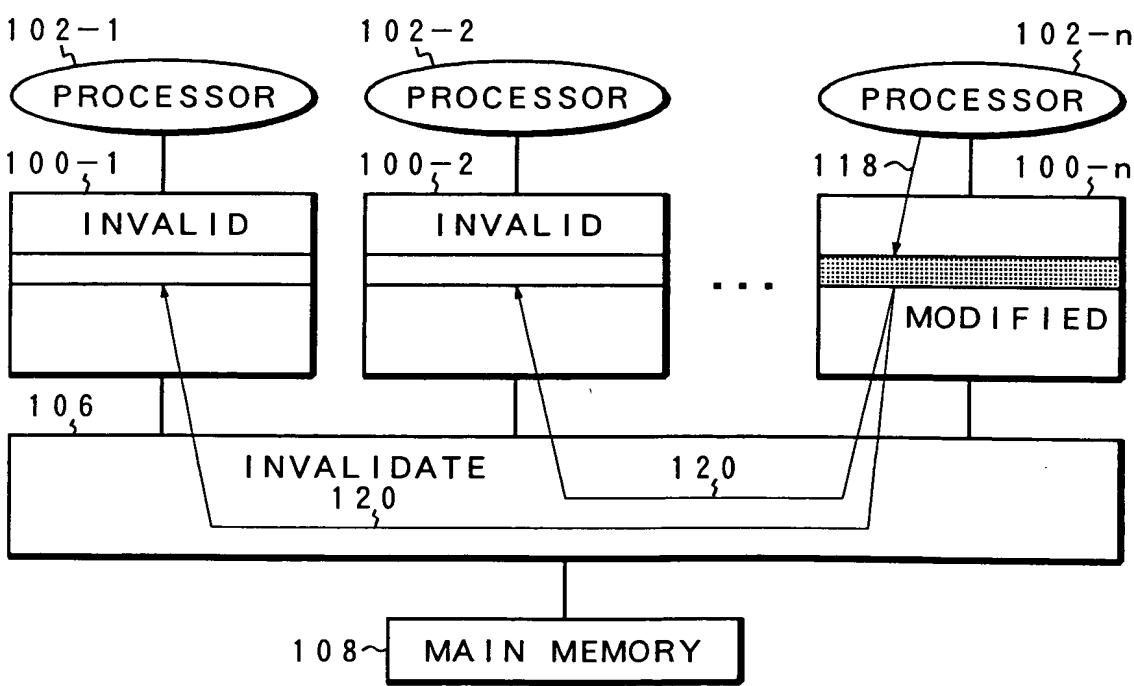
FIG. 2 PRIOR ART



PRIOR ART  
FIG. 3A



PRIOR ART  
FIG. 3B



3 / 12

FIG. 4

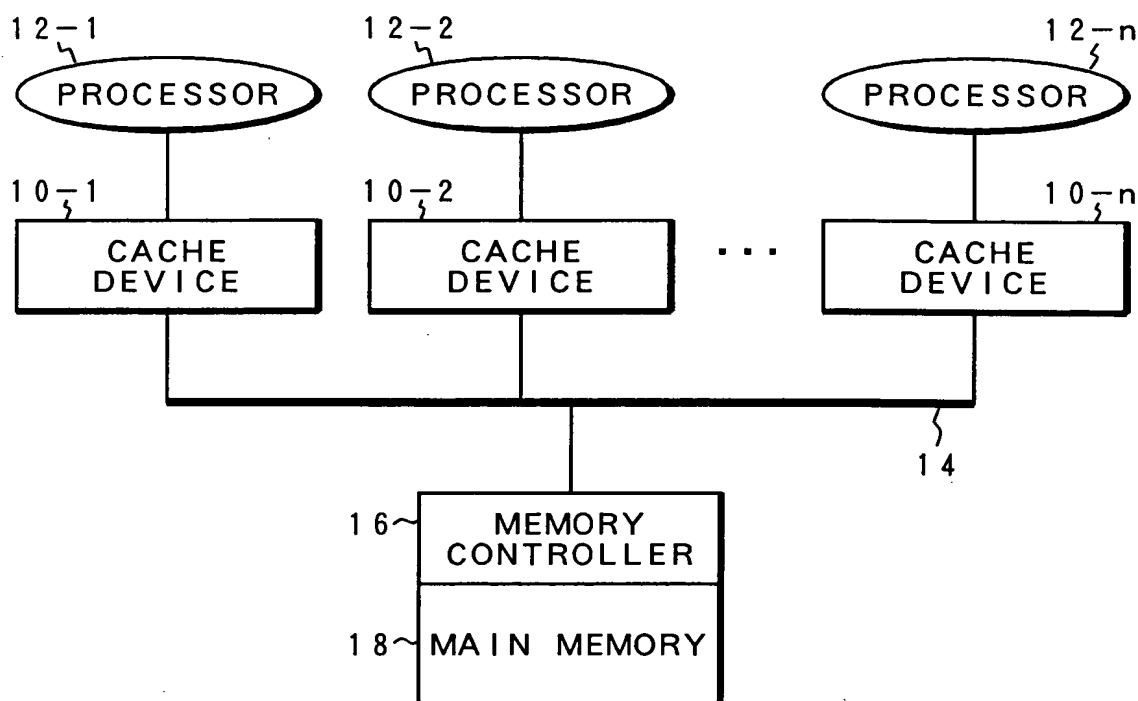


FIG. 5

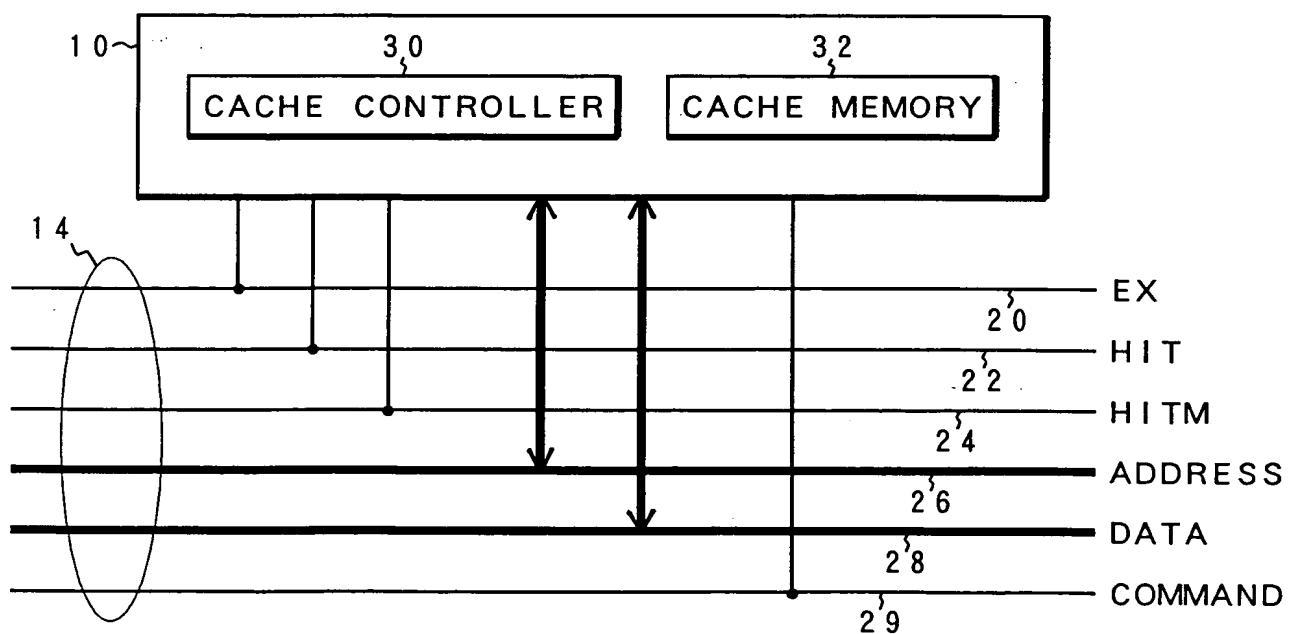


FIG. 6A

R E A D

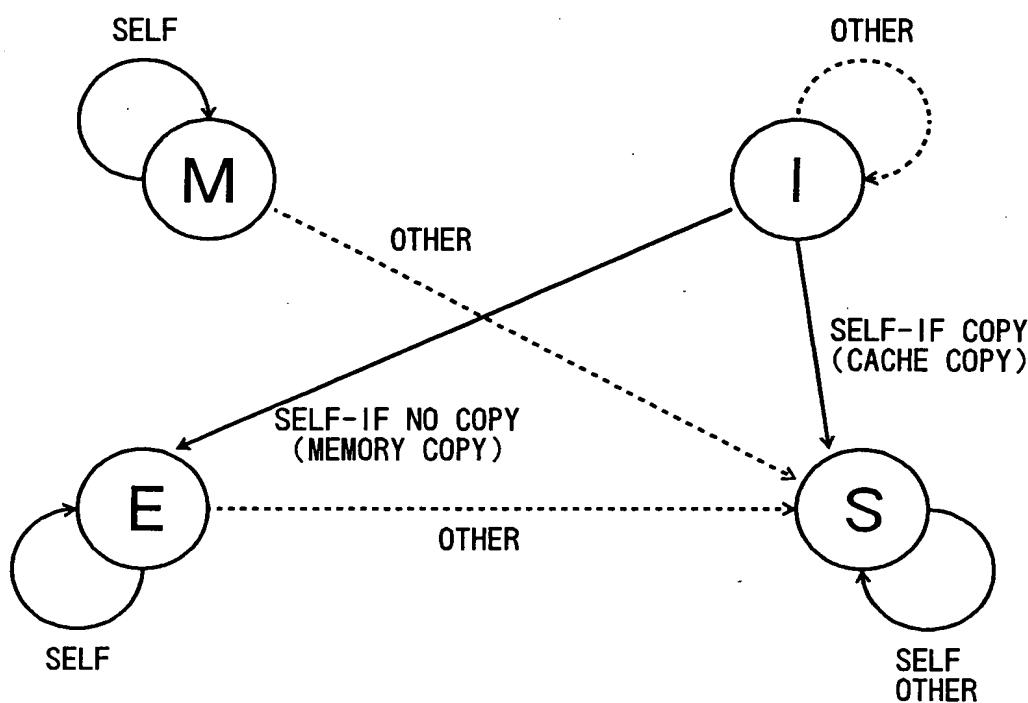
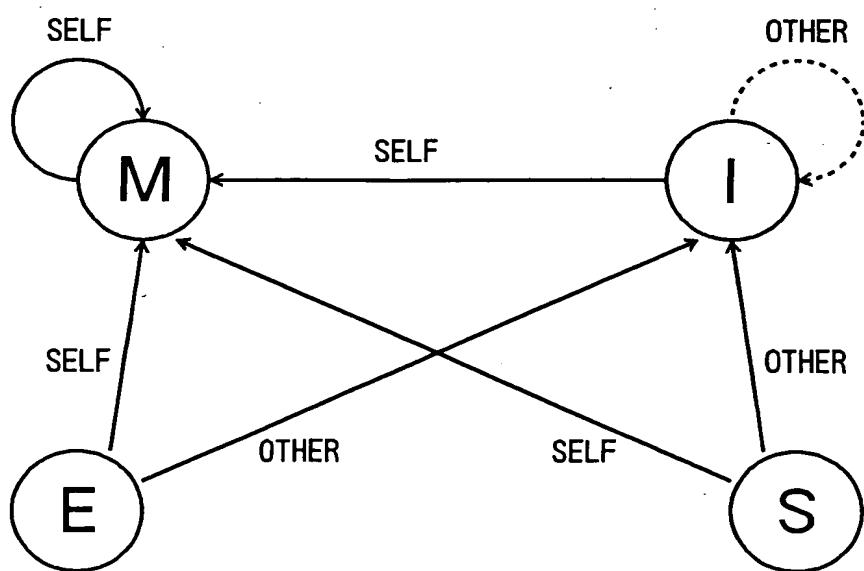


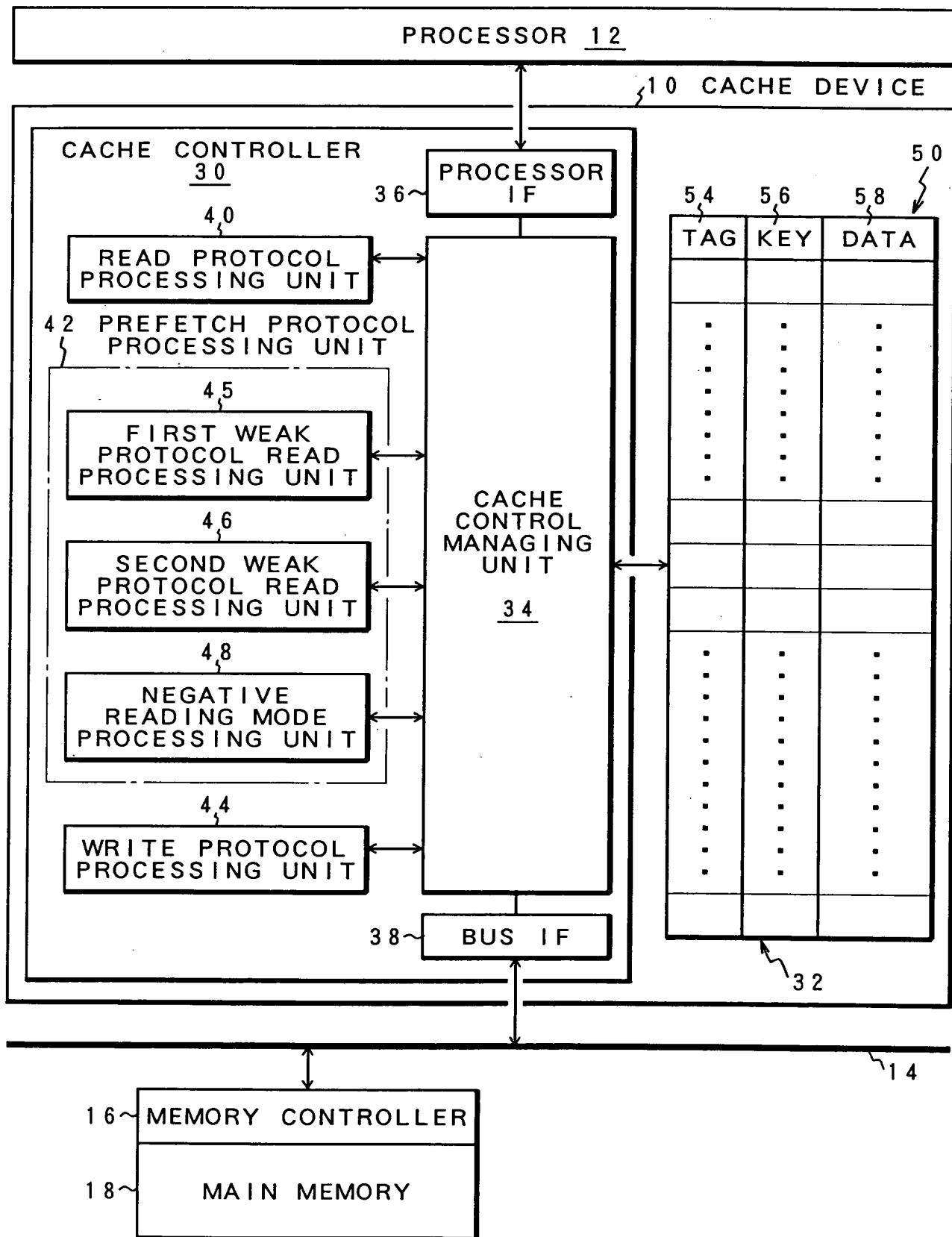
FIG. 6B

W R I T E



5/12

FIG. 7



TO8740-61098260

09/786049

6/12

FIG. 8

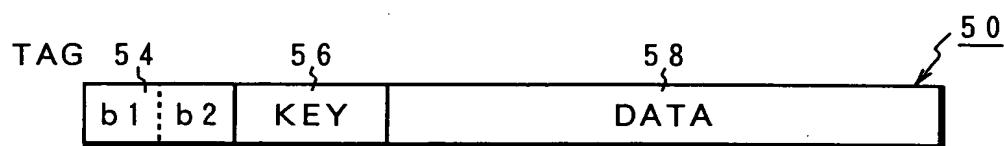
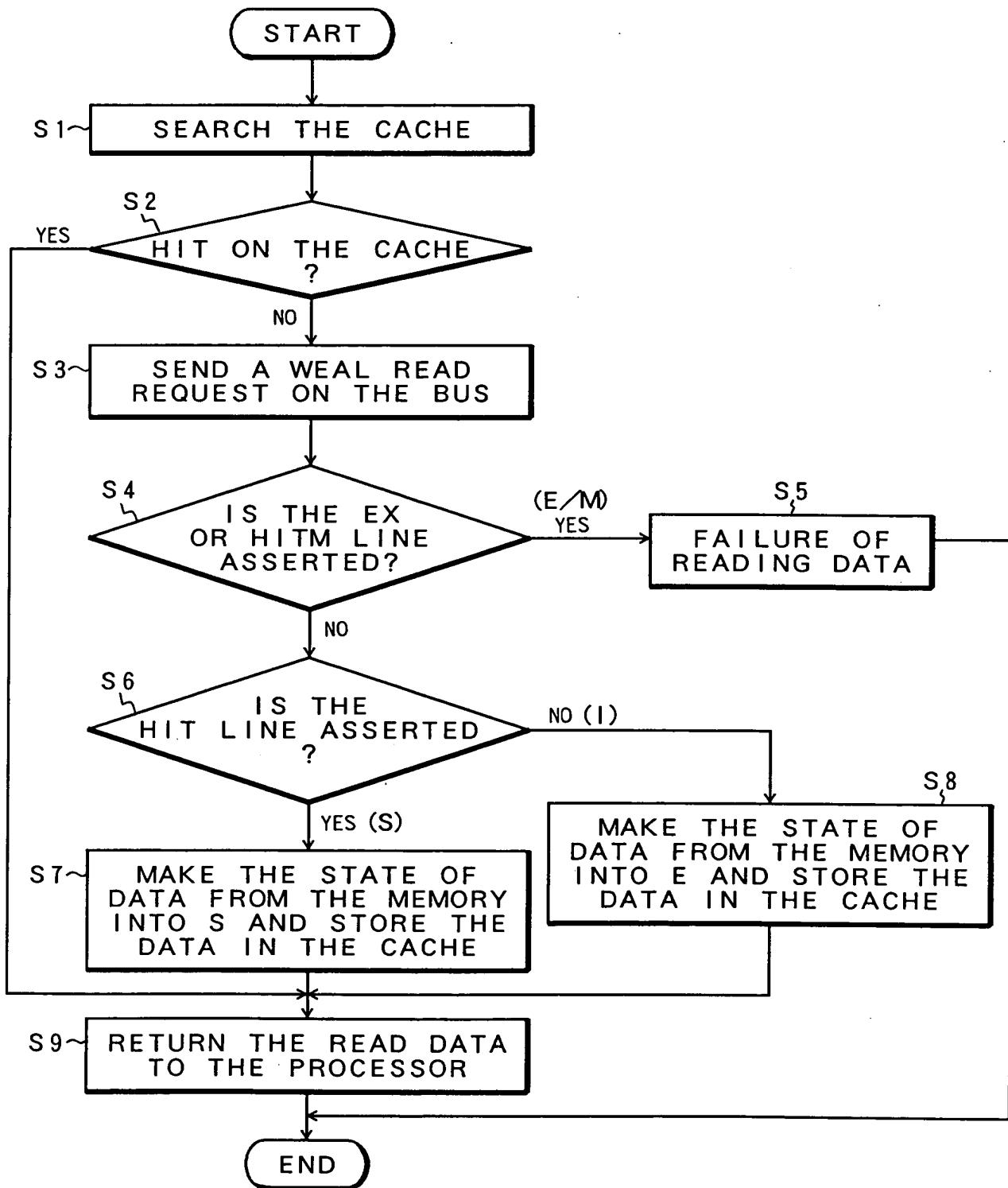


FIG. 9

TAG		STATE
b1	b2	
0	0	MODIFIED M
0	1	EXCLUSIVE E
1	0	SHARED S
1	1	INVALID I

09/786049 FIG. 9

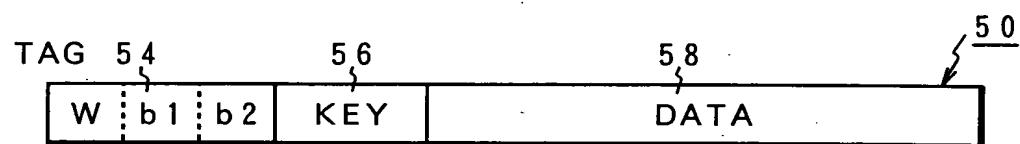
FIG. 10



09/786049

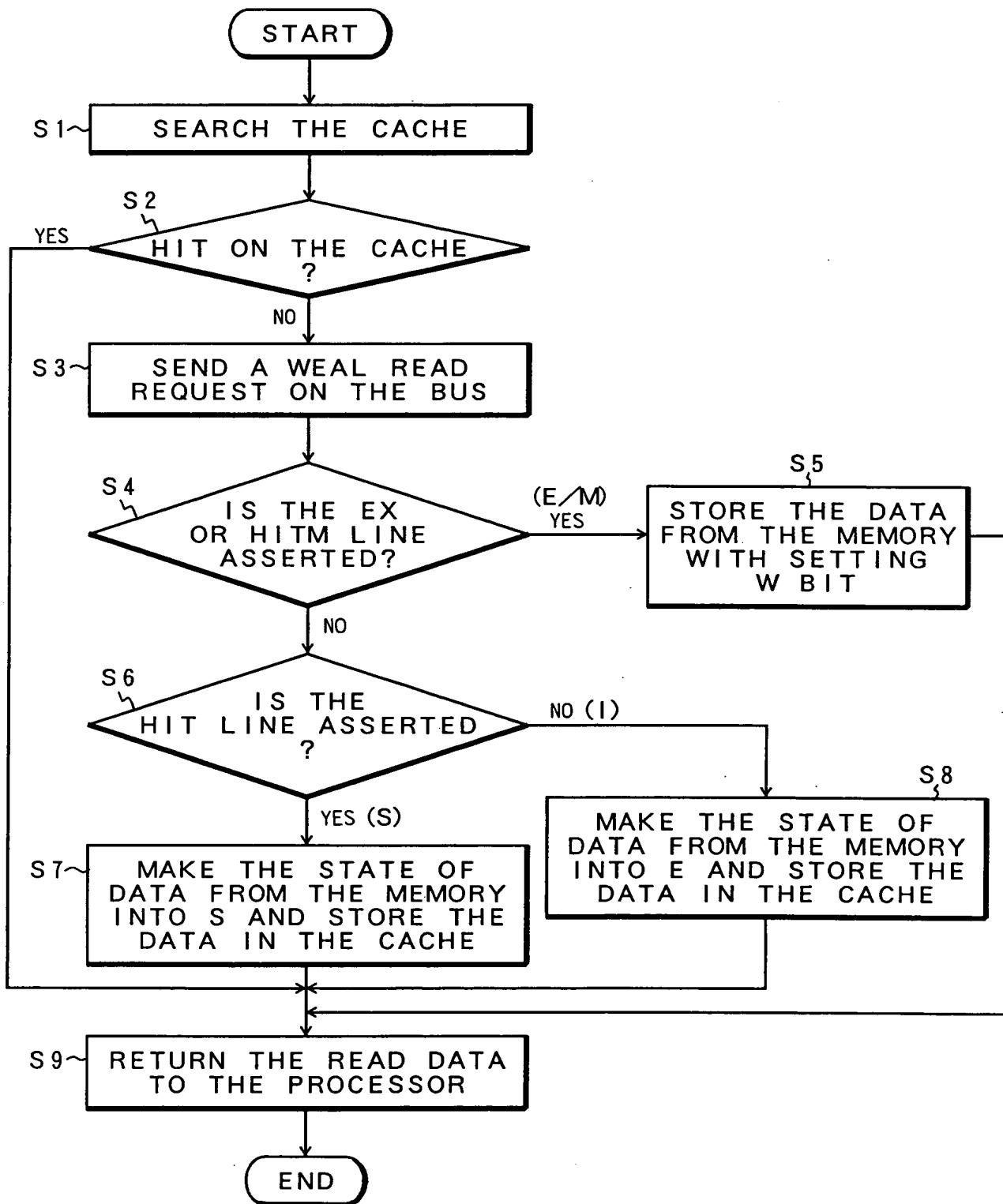
8/12

FIG. 11



09/786049-061801

FIG. 12



09/786049-061804

10/12

FIG. 13

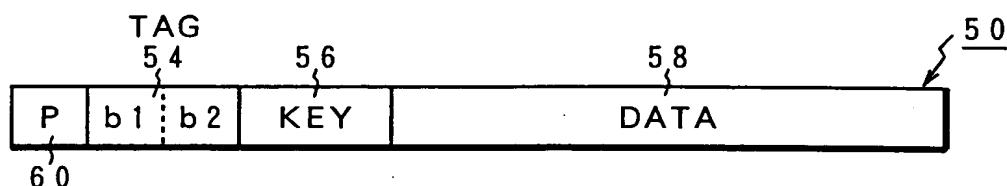
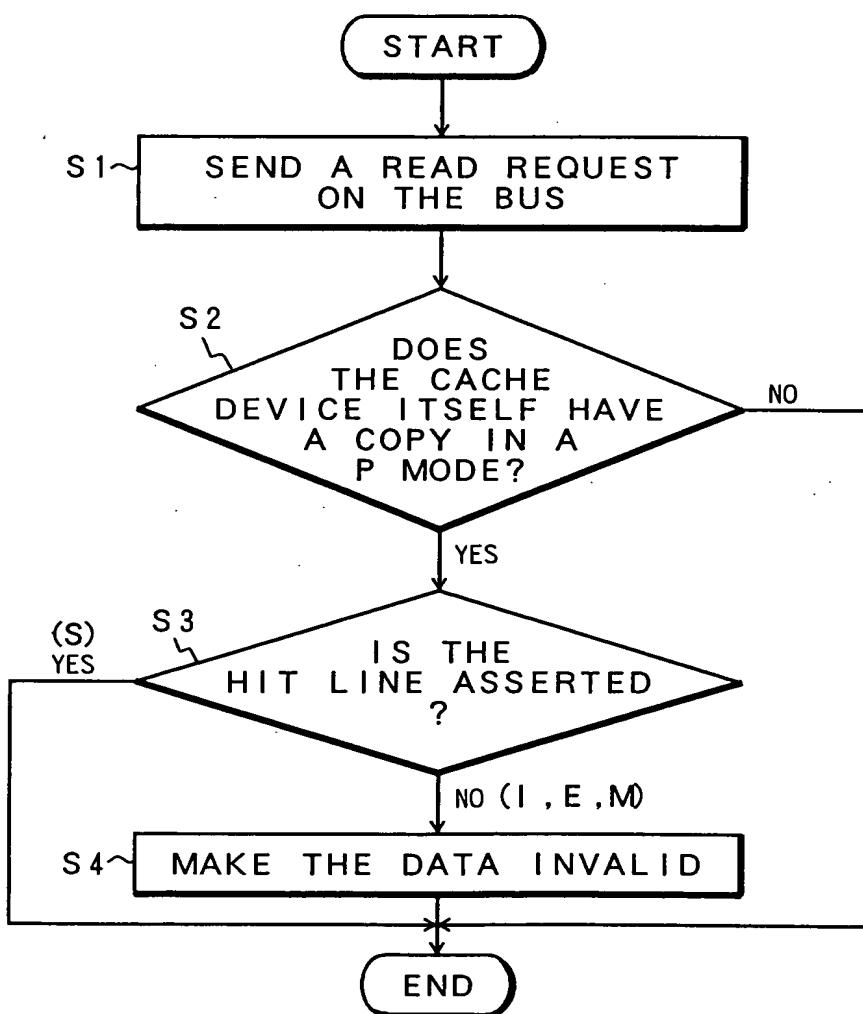


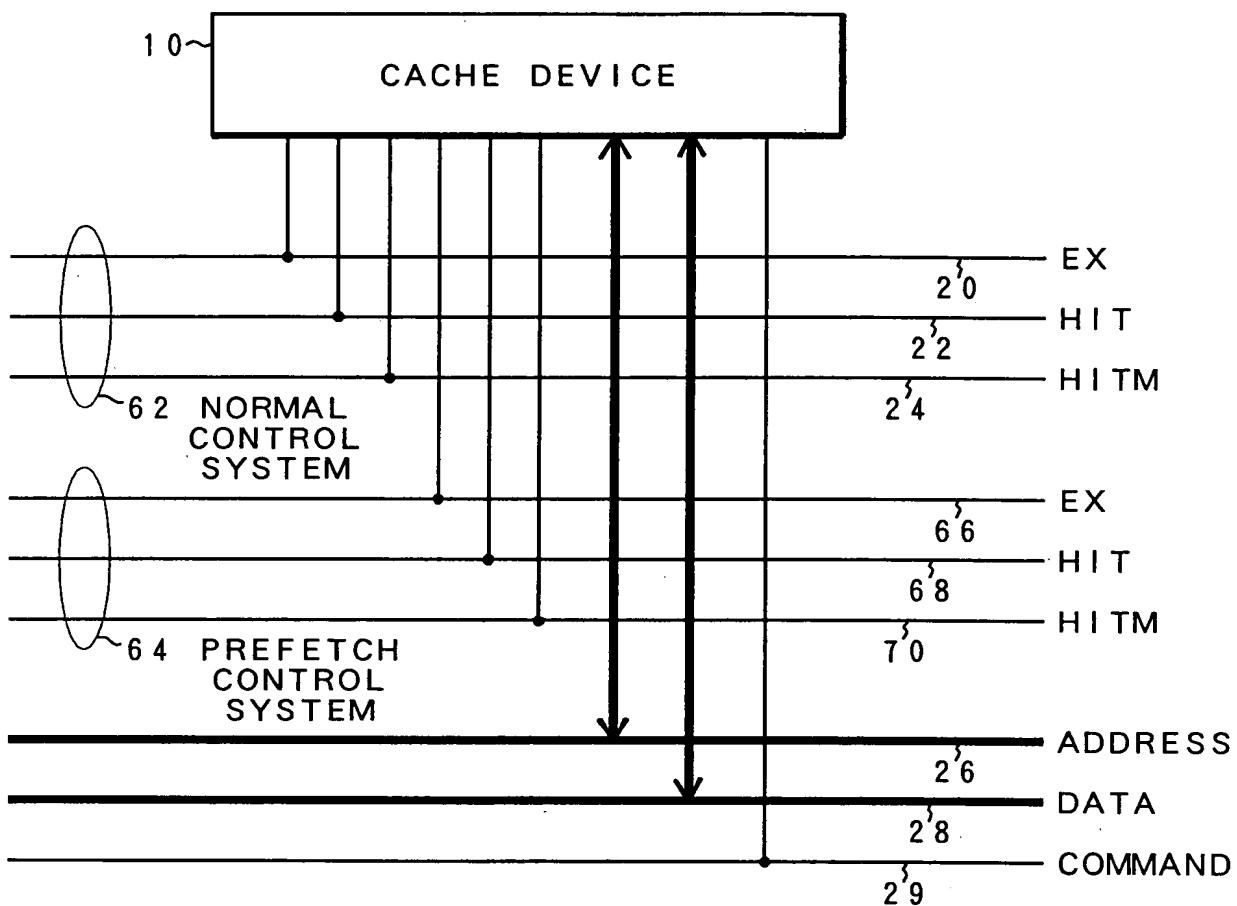
FIG. 14



09/786049-061801

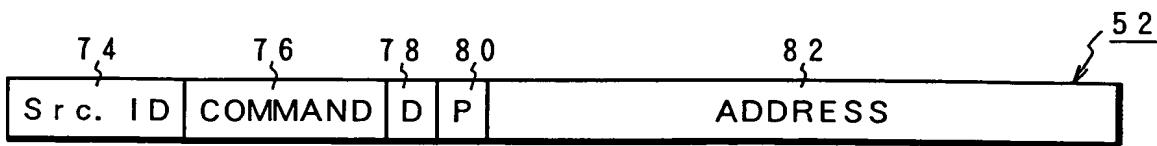
11/12

FIG. 15



09/786049-061801

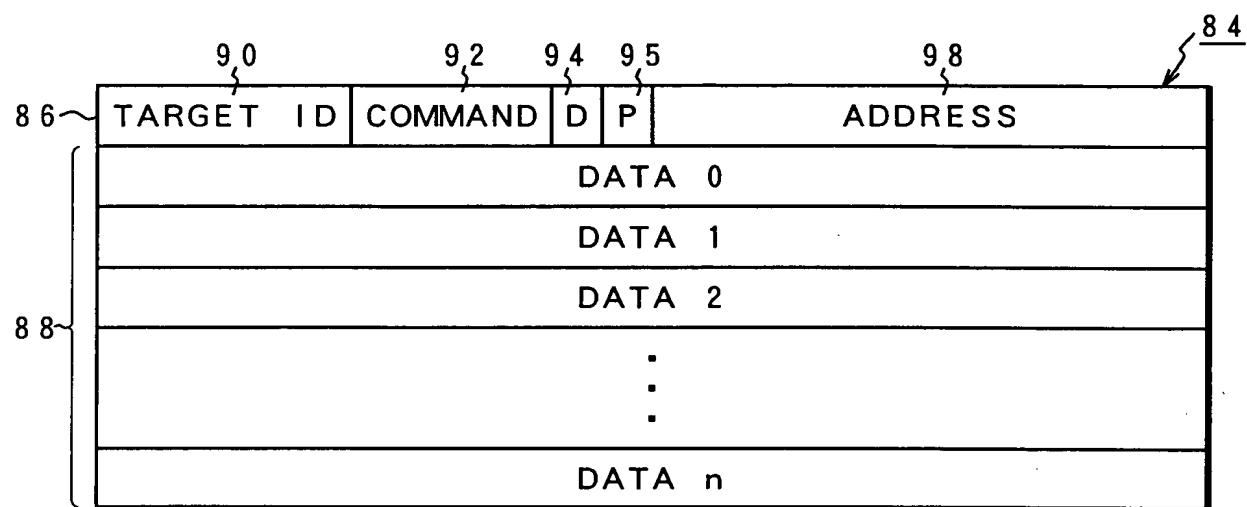
FIG. 16



09/786049

12/12

## FIG. 17



## FIG. 18

REQUEST	REPLY
NORMAL + PREFETCH	NORMAL + PREFETCH
	ONLY NORMAL
NORMAL	ONLY NORMAL
PREFETCH	ONLY PREFETCH
	(NONE)

09/786049-651801